PACENT COOPERATION TREATY

INTERNATIONAL SEAR	CHING AUTH	ORITY					
To: JANE M. LOVE, PH.D. WILMER CUTLER PICKERING HALE AND DORR LLP			PCT				
399 PARK AVENUE NEW YORK, NY 10022			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
			(PCT Rule 43 <i>bis</i> .1)				
			Date of mailing (day/month/year) 0 6 JUL 2005				
Applicant's or agent's file reference			FOR FURTHER ACTION				
19240.218-WO			See paragraph 2 below				
International application	٧o.	International filing date (day/month/year)		Priority date (day/month/year)			
PCT/US05/09417		21 March 2005 (21.03.2005)		19 March 2004 (19.03.2004)			
International Patent Class	ification (IPC)	or both national classificat	ion and IPC	·			
IPC(7): A61K 31/335, 31/	34; C07D 307/	77, 407/14 and US Cl.: 51	4/462,468; 549/297,4	56			
Applicant							
TRUSTEES OF COLUM	BIA UNIV. IN	THE CITY OF NEW YO	RK				
1. This opinion contains indications relating to the following items:							
Box No. I	o. I Basis of the opinion						
Box No. II	Box No. II Priority						
Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. IV	Lack of un	Lack of unity of invention					
Box No. V		Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI	Certain doc	Certain documents cited					
Box No. VII	Certain def	Certain defects in the international application					
Box No. VIII	Certain obs	Certain observations on the international application					
2. FURTHER ACTI	ON						
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							
Name and mailing address of the ISA/ US			Authorized office				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents			Amelia A. Owens Held & Hackelon				
P.O. Box 1450 Alexandria, Virginia 22313-1450			Amelia A. Owens 11 1 1 1 1 1 1 1 1				
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Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/09417

Box No. I Basis of this opinion						
 With regard to the language, this opinion has been established on the basis of the international application in the language in whice was filed, unless otherwise indicated under this item. 	h it					
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).						
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a. type of material						
a sequence listing						
table(s) related to the sequence listing						
b. format of material						
in written format						
in computer readable form						
						
c. time of filing/furnishing						
contained in international application as filed.						
filed together with the international application in computer readable form.						
furnished subsequently to this Authority for the purposes of search.						
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additional comments:						
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/09417

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. Statement							
Novelty (N)	Claims 1-53		YES				
1.0.0.0.	Claims NONE		NO				
Inventive step (IS)							
	Claims NONE		NO				
Industrial applicability (IA)	Claims 1-53		YES				
industrial applicationity (171)							
			,				
2. Citations and explanations:							
Claims 1-53 meet the criteria set out in PCT Article : be made or used in industry.	33(4), and thus have industri	al applicability because the	subject matter claimed can				
Claims 1-53 meet the criteria set out in PCT Article	22(2) (2) hassuss the prior (ert does not teach or fairly s	suggest the claimed				
invention. The reference does not teach the claimed	combinations of composition	ns, the methods of use or p	reparing.				
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Form PCT/ISA/237 (Box No. V) (January 2004)